

WHAT IS CLAIMED IS:

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1 1. A stabilized platform comprising:  
2 a payload platform for supporting an article to be stabilized;  
3 a base;  
4 a stabilizing system connecting the payload platform to the base, the  
5 stabilizing system including at least two motors for rotating the payload platform  
6 with respect to the base about two perpendicular axes of rotation providing the  
7 payload platform with stabilization in two dimensions;  
8 a first sensor package for determining motion of a vehicle on which  
9 the stabilized platform is mounted in two perpendicular directions;  
10 a second sensor package including at least one level sensor fixed to  
11 the payload platform; and  
12 a control system for stabilizing the platform based on information  
13 provided by the first sensor package and the second sensor package.

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1 2. The stabilized platform of Claim 1, wherein the control system  
2 compensates for errors in the first sensor package using information obtained from  
3 the second sensor package.

1 3. The stabilized platform of Claim 1, wherein second sensor package  
2 includes two level sensors for sensing a position of the payload platform in two  
3 perpendicular directions.

1 4. The stabilized platform of Claim 1, wherein the first sensor package  
2 is fixed with respect to the base.

1 5. The stabilized platform of Claim 1, wherein the first sensor package  
2 is mounted on the payload platform.

1 6. The stabilized platform of Claim 1, further comprising a camera  
2 mounted on the payload platform.

1 7. The stabilized platform of Claim 1, further comprising a chair  
2 mounted on the payload platform.

1 8. The stabilized platform of Claim 1, further comprising a table  
2 mounted on the payload platform.

3 9. The stabilized platform of Claim 1, wherein the stabilized platform  
4 is waterproof.

1 10. The stabilized platform of Claim 1, wherein the payload platform is  
2 rotated by three motors about three perpendicular axes of rotation.

1 11. The stabilized platform of Claim 10, wherein the first sensor  
2 package includes sensors for determining rotation about three perpendicular axes.

1 12. The stabilized platform of Claim 1, wherein the control system  
2 allows a user to set an initial payload platform position and provides self correction  
3 of the platform to the initial position.

1 13. The stabilized platform of Claim 1, wherein a universal camera  
2 mount is mounted on the payload platform and a camera is mounted on the camera

3 mount, the camera mount allowing hands on control of the camera by the operator  
4 and stabilization of the camera with the stabilized platform.

1 14. A method of stabilizing and self correcting a camera platform  
2 comprising:  
3 positioning a stabilized camera platform on a moving vehicle;  
4 stabilizing the platform in at least two dimensions based on  
5 information collected by a first sensor package sensing motion of the moving  
6 vehicle; and  
7 self correcting a position of the platform based on information  
8 collected by a second sensor package mounted on the platform.

1 15. The method of Claim 14, wherein the information collected by the  
2 second sensor package is collected by a plurality of level sensors.

1 16. The method of Claim 14, wherein the stabilized platform is self  
2 corrected in two dimensions.

1 17. The method of Claim 14 further comprising controlling a camera  
2 mounted on the platform by hands on operator control.

1 18. An anti-seasickness chair comprising:  
2 a stabilized platform configured to be mounted on a vehicle, the  
3 stabilized platform including sensors for sensing motion of the vehicle and a control  
4 system for compensating for motion of the vehicle in at least two dimensions; and  
5 a chair mounted on the stabilized platform.

1           19.     The anti-seasickness chair of Claim 18, wherein the stabilized  
2 platform is stabilized by a system of motors electronically controlled by the control  
3 system.

1           20.     The anti-seasickness chair of Claim 18 wherein the stabilized  
2 platform is provided with platform sensors on the stabilized platform for self  
3 leveling of the platform.

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